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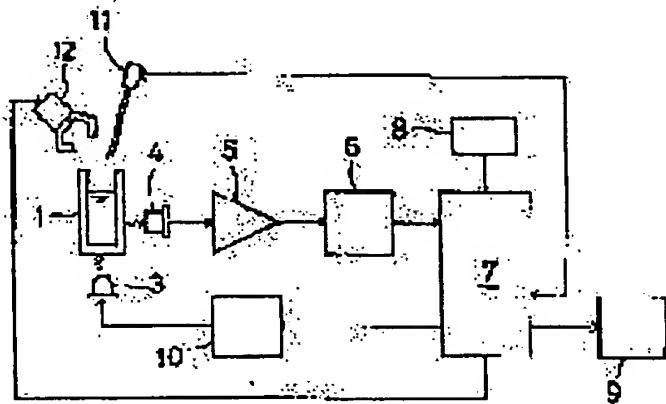
(21)Application number : **05-062737** (71)Applicant : **INTERNATL REAGENTS CORP**
 (22)Date of filing : **25.02.1993** (72)Inventor : **MATOBA KATSUMOTO**
OKUDA MASAHIRO
HIURA HISAHIDE

(54) BLOOD COAGULATION TIME MEASUREMENT AND DEVICE THEREFOR

(57)Abstract:

PURPOSE: To measure the coagulation time free from dispersion, in a stable, correct, and speedy manner, by A/D-converting the scattered light quantity which is successively obtained from the reagent mixing time in real time and smoothing and then integrating the obtained value.

CONSTITUTION: When a reagent is supplied by a reagent pouring pipette 11, a microcomputer 7 receives the original A/D conversion data for the scattered light quantity in real time through a light quantity detecting means 4, amplifying means 5, and an A/D conversion means 6, and the data is differentiated in real time. The differential value can be obtained by calculating the difference of the A/D conversion data value in a fine time interval. Further, after the obtained differential data is smoothed, integration is carried out in real time, and the data is memorized as the standard A/D conversion data. Then, the ratio of the integration value in each contiguous fine time of the standard A/D conversion data is calculated and memorized. It is judged if the standard ratio data is over a certain threshold value for removing the constant noise which is previously determined, and the coagulation point is determined.



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